$\Delta x = \bar{v}t$	$\Delta x = \frac{1}{2}at^2 + v_o t$	$\Sigma F = ma$	$F_f \leq \mu N$	$\tau = r_\perp F = rF_\perp$
$v = at + v_0$	$v^2 - v_0^2 = 2a\Delta x$	$F_c = \frac{mv^2}{r}$	$F_G = \frac{GMm}{r^2}$	$T = \frac{2\pi r}{v} = \frac{1}{f}$
$E_0 + W = E_f$	$K = \frac{1}{2}mv^2$	$U_g = mgh$	$U_s = \frac{1}{2}kx^2$	$F_s = kx$
$W = F_\parallel \Delta x = F\Delta x_\parallel$	$P = \frac{W}{t}$	$AMA = \frac{F_{out}}{F_{in}}$	$IMA = \frac{x_{in}}{x_{out}}$	$\varepsilon = \frac{AMA}{IMA} = \frac{W_{out}}{W_{in}}$
$\vec{p}_0 + \vec{J} = \vec{p}_f$	$\vec{p} = m\vec{v}$	$\vec{J} = \Delta\vec{p} = \bar{\vec{F}}\Delta t$	$v_1 - v_2 = v_2' - v_1'$	
$T = 2\pi\sqrt{\frac{m}{k}}$	$T = 2\pi\sqrt{\frac{l}{g}}$	$T = \frac{1}{f} = \frac{2\pi}{\omega}$	$\frac{1}{k_{ser}} = \frac{1}{k_1} + \frac{1}{k_2} + \cdots$	$k_{par} = k_1 + k_2 + \cdots$
$F_{E,pt\ chg} = \frac{kQq}{r^2}$	$\vec{E} = \frac{\vec{F}_E}{q}$	$\Delta V = \bar{E}\Delta x$	$V_{pt\ chg} = \frac{kQ}{r}$	$\Delta V = \frac{-W}{q} = \frac{\Delta U_E}{q}$
$V = IR$	$P = IV = I^2R = \frac{V^2}{R}$	$R_{ser} = R_1 + R_2 + \cdots$	$\frac{1}{R_{par}} = \frac{1}{R_1} + \frac{1}{R_2} + \cdots$	$R = \frac{\rho L}{A}$
$v = f\lambda$	intensity $\propto \frac{1}{r^2}$			
$G = 6.67 \times 10^{-11}\frac{N\cdot m^2}{kg^2}$	$g = 10\frac{m}{s^2}$	$k = 9 \times 10^9\frac{N\cdot m^2}{C^2}$	$q_e = 1.6 \times 10^{-19} C$	$1\ hp = 745.7\ W$
$\sin(\theta) = \frac{opp}{hyp}$	$\cos(\theta) = \frac{adj}{hyp}$	$\tan(\theta) = \frac{opp}{adj}$		